

# In 250 Children, Is Wolly Genetic the Transmission of Allergy and Asthma I, Mainly If these Children are Asthmatic?

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## Abstract

Asthma may be a severe genetic disease. The aim of this study was to evaluate the prevalence of allergic diseases in the children of asthmatic parents. The study included 250 children of asthmatic parents. The prevalence of allergic diseases was significantly higher in the children of asthmatic parents compared to the children of non-asthmatic parents. The results suggest that asthma may be a severe genetic disease.

physical examination and positive skin tests and/or RAST to the most common inhalant and/or food allergens. Two hundred and y healthy

In the control group, 11 children were sensitized who in 15,5% of cases had respiratory allergy Study children vs. controls (p = 0.0161).

We have ascertained that a high number of parents of the study and control children were active smokers (Table 4). e statistical analysis revealed high statistically di erences between fathers and mothers of the study group versus the parents of the controls, p = 0.0196 and p = 0.0387, respectively.

e statistical analysis has demonstrated highly signi cant di erences between the two samples (p = 0.0001).

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e results do not allow us to cõ rm that a signi cant proportion of respiratory allergy is transmitted by mothers. We underline that 42.3% of parents are atopic, with a FH positive for respiratory allergy in 82-92% of cases In the study sample 147 parents and brothers were a ected with respiratory allergy (45.94%) versus 10,3% of controls who in 65.5% of cases had respiratory allergy. erefore, asthma is a genetic disease, at least in 42.3% of cases. Respiratory allergy can have an autosomal dominant mode of inheritance, but by considering the whole atopic whole, the transmission can be polygenic. e high impact of the genetic factors in these children is stressed by the high proportion (85%) of asthmatic brothers/sisters. As regards the smoking parents it is very signi cant the number of couples smoking together. e low number of other relatives probably depends by the smaller apartments prevailing in l.wny4(l)-5(ler)8.1(g)-24(y )JTJ ET l(g)-24(o516 >>BDC8147 n)19(um)10(b)5ic1 T, >BDC Bs i(b)

